CLAIMS

1. A composition comprising (meth)acrylic acid and one or more of the compounds selected from the group consisting of aminoalkyl imidazolines of formula (I)

(I)

and alkyl-substituted succinimides of formula (II)

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and mixtures thereof wherein n is an integer of 1 to about 9; m is an integer of 1 to about 10; R and R' are C_1 - C_6 alkylene; R_1 R_2 R_3 and R_5 are independently selected from C_1 - C_{30} alkyl, alkenyl, aryl, alkylaryl, arylalkyl, aminoalkyl, and aminoaryl; and R_4 is selected from hydrogen, $(CH_2)_2COOH$, $CH_2CH(CH_3)COOH$, imidazoline, alkyl and alkylaryl.

- 2. The composition of claim 1 wherein the aminoalkyl imidazoline is prepared by reacting a carboxylic fatty acid with a polyethylene polyamine.
- 20 3. The composition of claim 1 wherein the aminoalkyl imidazoline is prepared by reacting tall oil fatty acid with a polyethylene polyamine.

- 4. The composition of claim 1 wherein the aminoalkyl imidazoline is prepared by (i) reacting tall oil fatty acid with a polyethylene polyamine; and (ii) reacting the product of step (i) with acrylic acid.
- 5 5. The composition of claim 1 wherein the alkyl-substituted succinimide is prepared by reacting a mixture of C_{12} - C_{30} olefins, maleic anhydride and polyethylene polyamine.
 - 6. The composition of claim 1 wherein the alkyl-substituted succinimide is prepared by reacting a mixture of C_{12} - C_{30} olefins, maleic anhydride and diethylene triamine.
 - 7. The composition of claim 1 further comprising one or more polymerization inhibitors.
 - 8. The composition of claim 1 further comprising one or more dispersants.

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- 15 9. The composition of claim 1 further comprising one or more polymerization inhibitors and one or more dispersants.
 - 10. The composition of claim 1 further comprising one or more solvents.

11. A method of preventing fouling in a (meth)acrylic acid process comprising adding to the process stream an effective antifouling amount of one or more aminoalkyl imidazolines of formula (I)

$$R_2$$
 R_3
 R_4
 R_1
 R_1
 R_3
 R_4
 R_1
 R_4

or one or more alkyl-substituted succinimides of formula (II)

$$\begin{array}{c|c} & & & & \\ & & & & \\ \hline & N & & R' & M \\ \hline & & & M \end{array}$$

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or a mixture thereof wherein n is an integer of 1 to about 9; m is an integer of 1 to about 10; R and R' are C_1 - C_6 alkylene; R_1 R_2 R_3 and R_5 are independently selected from C_1 - C_{30} alkyl, alkenyl, aryl, alkylaryl, arylalkyl, aminoalkyl, and aminoaryl; and R_4 is selected from hydrogen, $(CH_2)_2COOH$, $CH_2CH(CH_3)COOH$, imidazoline, alkyl and alkylaryl.

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- 12. The method of claim 11 wherein the aminoalkyl imidazolines or alkyl-substituted succinimides are added to the process at a dosage of about 1 to about 10,000 ppm.
- 13. The method of claim 11 wherein the aminoalkyl imidazolines or alkyl-substituted succinimides are added to the process at a dosage of about 10 to about 1000 ppm.
 - 14. The method of claim 11 wherein the aminoalkyl imidazolines or alkyl-substituted succinimides are added to the process at a dosage of about 30 to about 300 ppm.

- 15. The method of claim 11 wherein the aminoalkyl imidazolines or alkyl-substituted succinimides are added continuously.
- 5 16. The method of claim 11 wherein the aminoalkyl imidazolines or alkyl-substituted succinimides are added intermittently.
- 17. The method of claim 11 wherein the (meth)acrylic acid process is selected from (meth)acrylic acid manufacturing processes, (meth)acrylic acid esterification processes, acrolein manufacturing processes and acrylonitrile manufacturing processes.